

VERSION WITH MARKINGS TO SHOW CHANGES MADECLAIMS:

3. (Amended) A data processing system according to claim 1 ~~or~~ 2, further comprising a cutting position definer for setting a start point and an end point of cutting of the file from the input data when the file is formed or before the file is formed, wherein the file forming means cuts the input data in accordance with the set start and end points.

13. (Amended) A file managing method according to claim 9, ~~10, 11 or 12~~, some frames are selected from the image formed into the files to form file information.

18. (Amended) A data recorder according to claim 14, ~~15, 16 or 17~~, wherein the forming-image-into-file means selects some frames from the image formed into the files to form file information.

28. (Amended) A recorder/reproducer according to claim 26 ~~or 27~~, wherein the end-of-block code is disposed immediately behind the codeword of the direct current component of the small block.

29. (Amended) A recorder/reproducer according to claim 26 ~~or 27~~, wherein a part in a predetermined recording packet, which part is behind the end-of-block code of each small block is set as an added information recording area, a part in the remaining recording packets, which part is behind the end-of-block code of each small block is set as the general-purpose data recording area, the input data is recorded in the general-purpose recording area, and added information which is information on the input data is recorded in the added information recording area.

31. (Amended) A recorder/reproducer according to claim 26 ~~or 27~~, wherein when the input data is a digital video and audio coded signal of a predetermined format, the input data is recorded as it is, and when the input data is other than the digital video and audio coded signal of the predetermined format, the input data is assigned to the general-purpose data recording area.

33. (Amended) A recorder/reproducer according to claim 26-~~or~~-27, wherein in-track data amount information representative of an amount of data actually recorded on each track is recorded in a predetermined position in each track.

34. (Amended) A recorder/reproducer according to claim 26-~~or~~-27, wherein recording is performed after the data in the general-purpose data recording area in a track is all invalidated, and invalid track information representing that the data in the general-purpose data recording area in the track is all invalid is recorded in a predetermined position in the track.

35. (Amended) A recorder/reproducer according to claim 26-~~or~~-27, wherein data input as one file is recorded on a continuous track.

38. (Amended) A converting method according to claim 36-~~or~~-37, wherein conversion is performed with the end-of-block code being disposed immediately behind the codeword of the direct current component of the small block.

39. (Amended) A converting method according to claim 36-~~or~~-37, wherein conversion is performed so that the input data is disposed in the general-purpose data recording area of a predetermined recording packet and added information which is information on the data is disposed in the general-purpose data recording areas of the other recording packets.

40. (Amended) A converting method according to claim 36-~~or~~-37, wherein when the input data is a digital video and audio coded signal of a predetermined format, the input data is output as it is, and when the input data is other than the digital video and audio coded signal of the predetermined format, the input data is disposed in the general purpose recording area and converted.

42. (Amended) A converting method according to claim 36-~~or~~-37, wherein conversion is performed with in-track data amount information representative of an amount of data actually assigned to each track being added so as to be disposed in a predetermined position of each track.

43. (Amended) A converting method according to claim 36-~~or~~-37, wherein data disposed so that data in the general-purpose recording area in each track is all invalid is generated, and conversion is performed with invalid track information representing that the data in the general-purpose data recording area in

each track is all invalid being added so as to be disposed in a predetermined position in each track.

44. (Amended) A converting method according to claim 36-~~or 37~~, wherein data input as one file is converted so as to be disposed on a continuous track.

47. (Amended) A converting method according to claim 45-~~or 46~~, wherein a data-type-specific code is detected from the input signal, and when the data-type-specific code represents that a digital video and audio coded signal of a predetermined format is recorded, the input signal is output, and when the data-type-specific code represents that data other than the digital video and audio coded signal of the predetermined format is recorded, data is output from the general-purpose data area.

48. (Amended) A converting method according to claim 45-~~or 46~~, wherein in-track data amount information of each track of the input signal is obtained, and only data of an amount represented by the in-track data amount information is output from the general-purpose data recording area in each track of the digital video and audio coded signal.

49. (Amended) A converting method according to claim 45-~~or 46~~, wherein invalid track information of each track of the input signal is searched for, and no data is output as effective data from the general-purpose data recording area of a track where the invalid track information is detected.

52. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein the-end-of block code is added immediately behind a code of the direct current component of each small block.

53. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein the file management information is recorded on a continuous track.

54. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein the file management information is recorded behind data recorded on the recording medium.

55. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein in a latest file management information recording area, latest management information of all the files on the recording medium is recorded.

56. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein when the file management information is recorded, the file management information recording area that is already present on the recording medium is invalidated.

57. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein when data is newly additionally recorded on a recording medium where data and file management information on the data are recorded, a previous file management information recording area is overwritten with the newly added data.

58. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein as the file management information, the following are used: an update data and time of each file; file start position information which is information on a start position, on a recording medium, of each file; information on a file size; and file end position information which is information on an end position of a file on a recording medium, or track number information which is information on the number of tracks used for file recording.

59. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein a file start flag which is information representing that a start position of a file is present is recorded in a predetermined position on a track where a start position of each file is present.

60. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein a file end flag which is information representing that an end position of a file is present is recorded in a predetermined position on a track where an end position of each file is present.

61. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein a file ID flag which is information for distinguishing the file from other files is recorded in a predetermined position on a track where each file is present.

62. (Amended) A recorder/reproducer according to claim 50-~~or 51~~, wherein in a track in the file management information recording area, a file

management information track flag which is information representing that said track is a track in the file management information recording area is set.

63. (Amended) A recorder/reproducer according to claim 50-~~or~~-51, wherein an index ID which is information representative of a break of data is set in a track where the file management information recording area is present.

64. (Amended) A recorder/reproducer according to claim 50-~~or~~-51, wherein to delete the file management information recording area, at least a file management information track flag and an index ID are rewritten so as to be invalidated.

65. (Amended) A recorder/reproducer according to claim 50-~~or~~-51, wherein file management information presence information which is information representing whether the file management information recording area is written on the recording medium or not is recorded.

66. (Amended) A recorder/reproducer according to claim 50-~~or~~-51, wherein file management information presence information is stored in an auxiliary information storage medium attached to a case housing the recording medium.

67. (Amended) A recorder/reproducer according to claim 50-~~or~~-51, wherein file management information area position information which is information on a position, on the recording medium, of the file management information recording area is stored in an auxiliary information storage medium attached to a case housing the recording medium.

70. (Amended) A converting method according to claim 68-~~or~~-69, wherein conversion is performed with the end-of-block code being disposed immediately behind the codeword of the direct current component of the small block.

71. (Amended) A converting method according to claim 68-~~or~~-69, wherein conversion is performed with the file management information being disposed on a continuous track.

Claims 74-113 have been added.